

DERWENT-ACC-NO: 1986-042662  
DERWENT-WEEK: 198607  
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TITLE: Continuously powdering surface of detergent granulate - before leaving turbulent layer, using powdery solid component flowing downwards by gravity or force

INVENTOR: GEITNER, F; KLEIFOTH, J ; KRELL, L ; KUNNE, H J ; MEINHARD, R ; MORL, L ; SCHMIDT, E ; SIEG, N

PATENT-ASSIGNEE: VEB WASCH GENTHIN[GENTN]

PRIORITY-DATA: 1983DD-0258342 (December 21, 1983)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DD 228458 A	October 16, 1985	N/A	004	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DD 228458A	N/A	1983DD-0258342	December 21, 1983

INT-CL\_(IPC): B01J002/30; C11D011/00

ABSTRACTED-PUB-NO: DD 228458A

BASIC-ABSTRACT: Detergent granulates are produced in a turbulent layer, in which given compsns. of the powdery solid components and the liq. substances arrive separately and form granulate prods. following chemical reaction and simultaneous agglomeration. The novelty consists in continuously powdering the surface of the granulate prods., directly before leaving the turbulent layer, using the powdery solid components which are led downwards, by gravity or force, and are quickly conc. on entering the turbulent layer in the entry-zone which is not charged with the liq. substances.

ADVANTAGE - The powdery solid component particles adhere to the granulates. A dry, white prod. is obt'd., having accurate compsn., high and even degree of chemical conversion, uniform particle size and resistance to caking together.

CHOSEN-DRAWING: Dwg.0/1

TITLE-TERMS:

DERWENT-ACC-NO: 1980-69681C  
DERWENT-WEEK: 198040  
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TITLE: Continuous prodn. of granular washing compsn. - in fluidised bed, with controlled gas velocity

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PRIORITY-DATA: 1979DD-0210340 (January 5, 1979)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DD 140987 A	April 9, 1980	N/A	000	N/A
DD 140987 B	June 30, 1982	N/A	000	N/A
SU 1081203 A	March 23, 1984	N/A	000	N/A

INT-CL\_(IPC): B01J008/24; C11D011/00

ABSTRACTED-PUB-NO: DD 140987A

BASIC-ABSTRACT: In the continuous prodn. of granular washing and cleaning compsns. in a fluidised bed, the gas velocity in the effective region of the inhomogeneous bed is kept at between the fluidisation velocity of the largest particles and 10 times the discharge velocity of the medium-sized particles.

Pref. the loadings (per hectometer square) to the fluidised bed are 800-2000 kg of gas; 300-1000 kg of solid and 60-200 kg of liq., and the fluidising gas is at 10-100 (25-35) degrees C. Esp. liq. wash-active components (esp. nonionics and/or acid surfactant precursors) are sprayed onto powdered buildings, esp. Na5P3O10 with >90% phase-(II) content, bulk density >700 (900-1100) g/l and >70% of particle size <0.2 mm.

The method has reduced energy requirements; gives stable granules ensuring final prods. of high mechanical strength and controllable particle size and bulk density. No special quality requirements are needed for the builder.

TITLE-TERMS:

CONTINUOUS PRODUCE GRANULE WASHING COMPOSITION FLUIDISE BED  
CONTROL GAS  
VELOCITY

CLIPPEDIMAGE= JP403115496A

PAT-NO: JP403115496A

DOCUMENT-IDENTIFIER: JP 03115496 A

TITLE: BLEACHING AGENT AND BLEACHING DETERGENT COMPOSITION

PUBN-DATE: May 16, 1991

INVENTOR-INFORMATION:

NAME

KURODA, MUTSUMI

ASSIGNEE-INFORMATION:

NAME

COUNTRY

KAO CORP

N/A

APPL-NO: JP01254213

APPL-DATE: September 29, 1989

INT-CL\_(IPC): C11D007/54

US-CL-CURRENT: 510/223

ABSTRACT:

PURPOSE: To obtain a bleaching agent and a bleaching detergent composition which has good storage stability and solubility by compounding a specific sodium percarbonate and a specific bleaching activator.

CONSTITUTION: The title composition comprises sodium percarbonate whose surface is covered with a covering agent and a bleaching activator having a phenolsulfonic acid (salts) as a leaving group (e.g. a compound of the formula). The covering agent consists mainly of fatty acids in which the total of 16 and 18C fatty acids amounts to 60wt.% or more of the whole fatty acids and unsaturated fatty acids amount to 15-70wt.%.

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